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VACUUM ACTUATED BRAKE PRESSURE INTENSIFIER

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ABSTRACT OF THE DISCLOSURE

A power brake apparatus includes a hydraulic pressure intensifier apparatus,
10 having a hydraulic pressure intensifier controlled by a vacuum powered actuator. The
hydraulic pressure intensifier defines a circuit for hydraulic fluid having an intensifier
inlet for receiving hydraulic fluid from a master cylinder of the power brake apparatus at
a master cylinder pressure, and an intensifier outlet for selectively delivering hydraulic
15 pressure to a braking device at either the master cylinder pressure or at an intensified
pressure higher than the master cylinder pressure. The vacuum powered actuator
selectively controls the hydraulic pressure intensifier to deliver hydraulic fluid at the
intensifier outlet at the master cylinder pressure when vacuum is available for providing
power braking and at the intensified hydraulic pressure when vacuum is not available.